

Amendments to the Claims

The current listing of the claims replaces all previous amendments and listings of the claims.

1. (Currently Amended) An optical distribution network system comprising:
an optical line termination; and
a plurality of optical network units, ~~each of which is connected to said optical line~~
termination through ~~at least one of a first~~ a working optical network and a second standby
optical network[[:]], wherein
at least one of the plurality of optical network units comprises means for selecting one
of downstream messages copied by the optical line termination and received via the working
optical network and the standby optical network, based on selection signals including in
passive optical network section trace messages for respective optical network units
~~monitoring means installed in said optical line termination for detecting a system~~
~~switching request from each of said plurality of optical network units; and~~
~~control means installed in said optical line termination for controlling system~~
~~switching between a working side and a standby side of each of said plurality of optical~~
~~network units.~~

2. (Currently Amended) The optical distribution network system according to claim
1, ~~wherein said control means employs a tree switching method that carries out the system~~
~~switching between the working side and the standby side of all of said plurality of optical~~
~~network units at once, when carrying out the system switching of any one of said plurality of~~
~~optical network units~~ the optical line termination comprises means for selecting one of
upstream messages copied by at least one of the plurality of optical network units and
received via the working optical network and the standby optical network.

3. (Currently Amended) The optical distribution network system according to claim
[[1]] 2, ~~wherein said control means employs a branch switching method that carries out the~~

~~system switching between the working side and the standby side of only one of said plurality of optical network units, when carrying out the system switching~~ the means for selecting one of upstream messages comprises a gate configured to block one of the upstream messages.

4.-11. (Canceled)

12. (Currently Amended) ~~The~~ An optical distribution network system ~~according to claim 10,~~ comprising:

an optical line termination;

a plurality of optical network units connected to the optical line termination through at least one of a first optical network and a second optical network;

monitoring means for detecting a system switching request from the plurality of optical network units, the monitoring means disposed in the optical line termination; and

control means for controlling system switching between a working side and a standby side of the plurality of optical network units, the control means disposed in the optical line termination,

wherein the optical line termination comprises output selecting means for outputting one of upstream messages that are copied via the working side and the standby side by at least one of the plurality of optical network units,

wherein at least one of the plurality of optical network units comprises output selecting means for outputting one of downstream messages that are copied via the working side and the standby side by the optical line termination, and

wherein at least one of said plurality of optical network units comprises a gate for preventing configured to prevent one of the messages to be copied from being copied by suppressing it.

13. (Currently Amended) ~~The~~ An optical distribution network system ~~according to claim 10,~~ comprising:

an optical line termination;

a plurality of optical network units connected to the optical line termination through at least one of a first optical network and a second optical network;

monitoring means for detecting a system switching request from the plurality of optical network units, the monitoring means disposed in the optical line termination; and

control means for controlling system switching between a working side and a standby side of the plurality of optical network units, the control means disposed in the optical line termination,

wherein the optical line termination comprises output selecting means for outputting one of upstream messages that are copied via the working side and the standby side by at least one of the plurality of optical network units,

wherein at least one of the plurality of optical network units comprises output selecting means for outputting one of downstream messages that are copied via the working side and the standby side by the optical line termination, and

wherein the optical line termination comprises a gate for preventing configured to prevent one of the messages to be copied from being copied by suppressing it.

14. (Currently Amended) ~~The~~ An optical distribution network system according to ~~claim 10, comprising:~~

an optical line termination;

a plurality of optical network units connected to the optical line termination through at least one of a first optical network and a second optical network;

monitoring means for detecting a system switching request from the plurality of optical network units, the monitoring means disposed in the optical line termination; and

control means for controlling system switching between a working side and a standby side of the plurality of optical network units, the control means disposed in the optical line termination,

wherein the optical line termination comprises output selecting means for outputting one of upstream messages that are copied via the working side and the standby side by at least one of the plurality of optical network units,

wherein at least one of the plurality of optical network units comprises output selecting means for outputting one of downstream messages that are copied via the working side and the standby side by the optical line termination, and

wherein said control means ~~prevents~~ is configured to prevent the message of the selected side from being output until a predetermined time has elapsed after the system switching.

15. (New) A system switching method for an optical distribution network system including an optical line termination and a plurality of optical network units connected to the optical line terminal through a working optical network and a standby optical network, the method comprising:

selecting one of downstream messages copied by the optical line termination and received via the working optical network and the standby optical network, based on selection signals included in passive optical network selection trace messages for respective optical network units in one of the plurality of optical network units.

16. (New) The system switching method according to claim 15, further comprising:

selecting one of upstream messages copied by at least one of the plurality of optical network units and received via the working optical network and the standby optical network in the optical line termination.

17. (New) The system switching method according to claim 16, wherein selecting one of upstream messages comprises blocking one of the upstream messages.

18. (New) The system switching method according to claim 17, wherein blocking comprises blocking with a gate.